

building the bi-national constituency. Sandia has also been working closely with CONACYT (the National Commission for Science and Technology in Mexico) to define the BNSL structure, operations, and focus to assure the most beneficial impact on Mexican economic development.

### who will fund it?

The approximately \$30 million required to begin the project would be split equally between the U.S. and Mexico. Public and private funds from both countries would be used to develop the BNSL. Once operational, the BNSL is estimated to require \$25 million for operating expenses, which would be funded by the sale of developed technologies, intellectual property royalties, and government funds.

### what role will Sandia Labs play?

Sandia's vision is to "help our nation secure a peaceful and free world through technology." The BNSL is a means for achieving that lofty goal through conflict prevention. Sandia sees the BNSL as an experiment for addressing border conflict areas worldwide. Though Sandia will not manage the BNSL, some of its technical staff would fill some of the positions.

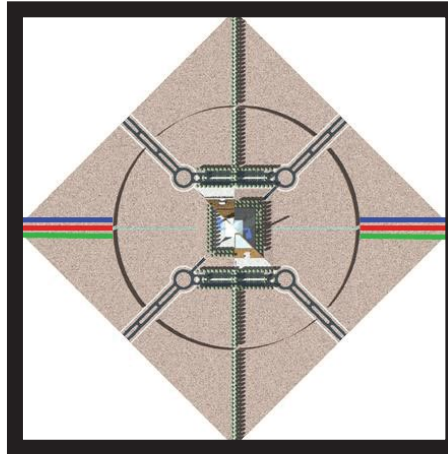
### what role will U.S. and Mexican governments play?

Initially, the role of both governments will be to collaborate on funding the creation of the laboratory, to support the laboratory, and acknowledge the purpose of the laboratory (economic development through technical innovation).



The U.S.-Mexico border is economically depressed on both sides.

**b n s l**



The Bi-National Sustainability Laboratory was developed jointly by Sandia National Laboratories and the U.S.-Mexico Foundation for Science.

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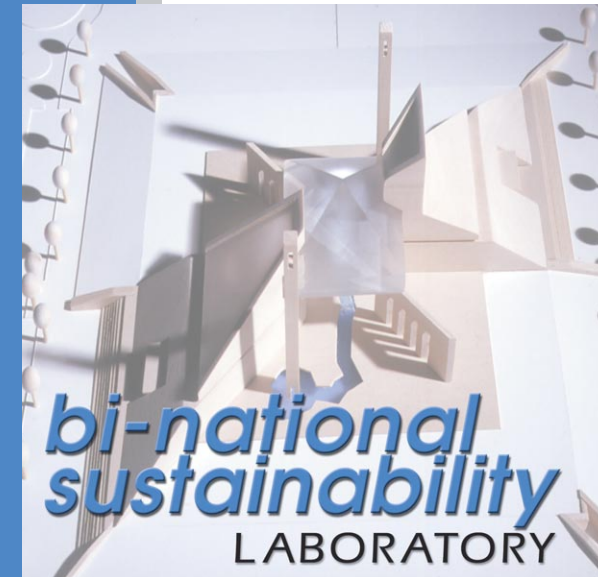


The U.S.-Mexico Foundation for Science



Sandia National Laboratories

Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company, for the United States Department of Energy under contract DE-AC04-94AL85000. SAND2002-2812P



**b n s l**

an engine  
for sustained  
economic  
development  
on the  
U.S.-Mexico  
border







*choosing the road less traveled...  
bi-national partnering*

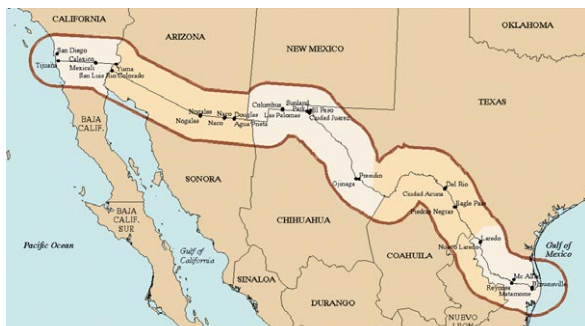
## vision and goal

**R**esearch has shown that borders between countries of widely differing economic opportunity are significant stress points. Even if they do not foment armed conflict, as they do in many parts of the world, these borders serve as stress points for infrastructure, security, and health. The Bi-National Sustainability Lab team believes that only by fostering economic development can stresses be reduced and true border stability and transparency be achieved.

### why build a bi-national sustainability lab?

-  to foster long-term, sustainable economic development on both sides of the U.S.-Mexico border
-  to prevent conflict by creating community wealth and well being across physical and psychological boundaries
-  to help create new small- and medium-sized enterprises, and to strengthen existing ones, resulting in increased numbers of higher paying jobs
-  to bring new, advanced technologies to commercial fruition

The BNSL will target industry development in those areas in which its technical/business base can make an impact, with a bias toward improving quality of life in the region. The initial focus will be on activities related to new product development and secure commerce from both a business development and a capacity-building viewpoint. In addition, water, agriculture, energy, air, health care, education, and communications will be areas of emphasis.



The U.S.-Mexico Border

## features

**T**he BNSL must be truly bi-national to be successful, with key staff from the U.S. and Mexico working together with common goals, responsibilities, and rewards. The Laboratory represents a new era of economic growth along the border, leading to a new partnership for prosperity. This unique facility will rapidly become a forum for the best in applied technology, product realization and business development. To symbolize this new laboratory concept we envision a building designed to embody a combination of the cultural traditions of the past and a vision of the future.




### where will it be located?

Since the BNSL is a new approach for sustainable economic development, it will literally straddle the border in a community designed to be a showcase of what bi-national cities can be.

### who will populate it?

The Bi-National Sustainability Lab would be populated with business people, scientists, community leaders, retirees, social scientists, civil servants, and engineers from Mexico, the United States, and countries worldwide.

### who will benefit?

-  Citizens of border region
-  BNSL scientists and staff
-  Business owners in the U.S. and Mexico

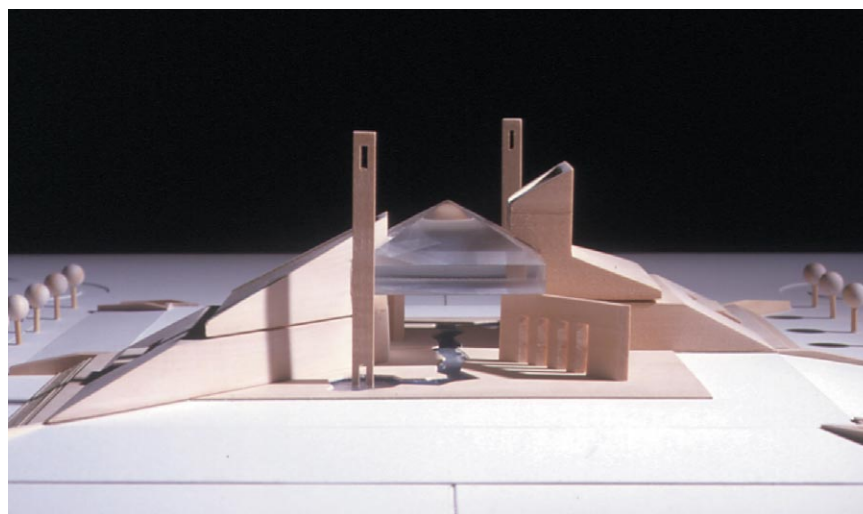
From Mexico's perspective, the Bi-National Sustainability Laboratory is a concrete step towards achieving the country's long-term vision of a border with a two-way flow of goods, services, capital, and people. It is a vehicle for jointly overcoming the resource, wage, and social disparities between the U.S. and Mexico.

The United States has an inherent interest in facilitating democracy in Mexico and creating a state of stability, free trade, and equilibrium along the U.S.-Mexico border.

## partners

**T**he Bi-National Sustainability Laboratory cannot achieve its goal on its own. It must team with a multitude of existing institutions in both countries. For example, educational institutions will serve as a source of laboratory staff, provide the education and training programs needed for business development and expansion, and serve as a source of new concepts for commercial development. Other partners would include

-  economic development organizations
-  state and local government agencies



Conceptual model of BNSL building

In addition, there are a large number of existing programs in the border region, many of which have goals and objectives synergistic to the goal of the BNSL. We hope to partner with these programs to learn from and work with them. In the past months we have developed relationships with institutions and organizations such as the Cross-Border Institute for Regional Development (CBIRD), Rotary International, WERC, SCERP, and the New Mexico Manufacturing Extension Partnership.

At present, we have an alliance with the U.S.-Mexico Foundation for Science to help us move forward with the concept. The U.S.-Mexico Foundation for Science is a strong supporter of the BNSL and has been playing a major facilitating role in